

ACRONYMS AND ABBREVIATIONS

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| alpha LLMW | alpha-contaminated low-level mixed waste |
| AAC | acceptable ambient concentrations |
| AACC | acceptable ambient concentration for a carcinogen |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ACHP | Advisory Council on Historic Preservation |
| ACMM | Analytical Chemistry Methods Manual |
| AEA | <i>Atomic Energy Act</i> |
| AEC | U.S. Atomic Energy Commission |
| ALARA | as low as reasonably achievable |
| AMWTP | Advanced Mixed Waste Treatment Project |
| ANL-E | Argonne National Laboratory—East |
| ANL-W | Argonne National Laboratory—West |
| ARF | airborne release fraction |
| BACT | Best Available Control Technology |
| BLM | Bureau of Land Management |
| BNFL | BNFL Inc. |
| CAA | <i>Clean Air Act</i> |
| C&S | Certified and Segregated |
| CEDE | Committed effective dose equivalent |
| CEQ | Council on Environmental Quality |
| CERCLA | <i>Comprehensive Environmental Response, Compensation, and Liability Act</i> |
| CFA | Central Facilities Area |
| CFR | Code of Federal Regulations |
| CH | Contact handled |
| D&D | Decontamination and decommissioning |
| dba | Decibel A-weighted |
| DOE | U.S. Department of Energy |
| DOE-ID | U.S. Department of Energy - Idaho Operations Office |
| DOE INEL EIS | <i>Programmatic Spent Nuclear Fuel Management and Idaho National Engineering Laboratory Environmental Restoration and Waste Management Programs Environmental Impact Statement</i> |
| DOT | Department of Transportation |
| DR | damage ratio |
| EA | Environmental Assessment |
| EBR | Experimental Breeder Reactor |
| EDE | effective dose equivalent |
| EDF | Engineering Design File |
| EEGL | emergency exposure guidance level |
| EIS | environmental impact statement |
| EM | Environmental Management |
| EMT | Emergency medical technician |
| EPA | U.S. Environmental Protection Agency |
| EPCRA | <i>Emergency Planning and Community Right-to-Know Act</i> |
| ER | Environmental Restoration |
| ERPG | Emergency response planning guides |
| ES&H | Environment, Safety and Health |

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| FDM | Fugitive Dust Model |
| FFCAAct | <i>Federal Facility Compliance Act</i> |
| FONSI | Finding of No Significant Impact |
| FR | Federal Register |
| HEC | Hydrologic Engineering Center |
| HEPA | high-efficiency particulate air (filter) |
| HVAC | heating, ventilation, and air conditioning |
| HWMA | <i>Hazardous Waste Management Act</i> |
| HWN | hazardous waste number |
| ICPP | Idaho Chemical Processing Plant (now known as INTEC) |
| ICRP | International Commission on Radiological Protection |
| IDAPA | <i>Idaho Administrative Procedures Act</i> |
| IDHW | Idaho Department of Health and Welfare |
| IDLH | immediately dangerous to life or health |
| ILTSF | Intermediate-Level Transuranic Storage Facility |
| INEL | Idaho National Engineering Laboratory |
| INEEL | Idaho National Engineering and Environmental Laboratory |
| INTEC | Idaho Nuclear Technology and Engineering Center (formerly known as ICPP) |
| ISC-3 | Industrial Source Complex Version 3 |
| IWPF | Idaho Waste Processing Facility |
| LANL | Los Alamos National Laboratory |
| LDR | Land Disposal Restrictions |
| LESAT | Lockheed Environmental Systems and Technologies Company |
| LITCO | Lockheed Idaho Technologies Company |
| LLMW | low-level mixed waste |
| LMITCO | Lockheed Martin Idaho Technologies Company |
| LPF | leak path fraction |
| M&O | management and operation |
| MACT | maximum allowable control technology |
| MAR | material at risk |
| MCL | maximum contaminant level |
| MEI | maximally exposed individual |
| MOU | memorandum of understanding |
| MSDS | material safety data sheet |
| NAAQS | National Ambient Air Quality Standard |
| NAGPRA | <i>Native American Grave Protection and Repatriation Act</i> |
| NEPA | <i>National Environmental Policy Act</i> |
| NESHAP | National Emissions Standard for Hazardous Air Pollutants |
| NHPA | <i>National Historic Preservation Act</i> |
| NOI | Notice of Intent |
| NON | Notice of Non-Compliance |
| NPDES | National Pollutant Discharge Elimination System |
| NPS | National Park Service |
| NRC | U.S. Nuclear Regulatory Commission |
| NRF | Naval Reactors Facility |
| NRHP | National Register of Historic Places |
| NSPS | New Source Performance Standards |
| NWCF | New Waste Calcining Facility |
| OPC | ordinary Portland cement |

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| OSHA | Occupational Safety and Health Administration |
| PBF | Power Burst Facility |
| PCB | polychlorinated biphenyl |
| PCC | primary combustion chamber |
| PEIS | programmatic environmental impact statement |
| PEL | permissible exposure limit |
| PFA | pulverized fuel ash |
| PLO | Public Land Orders |
| ppb | parts per billion |
| ppm | parts per million |
| PREPP | Process Experimental Pilot Plant |
| PSAR | Preliminary Safety Analysis Report |
| PSD | Prevention of Significant Deterioration |
| RCRA | <i>Resource Conservation and Recovery Act</i> |
| RF | respirable fraction |
| RFP | Request for Proposal |
| RGW | research generated waste |
| RH | remote handled |
| ROD | Record of Decision |
| ROI | region of influence |
| RSCA-5 | Radiological Safety Analysis Computer Program Version 5 |
| RTR | real-time radiography |
| RWMC | Radioactive Waste Management Complex |
| SAR | Safety Analysis Report |
| SCC | secondary combustion chamber |
| SDA | Subsurface Disposal Area |
| SEIS-I or II | <i>Waste Isolation Pilot Plant Disposal Phase Final Supplemental Environmental Impact Statement-I or II</i> |
| SHPO | State Historic Preservation Officer (Idaho) |
| SRS | Savannah River Site |
| ST | source term |
| STEL | short term exposure limit |
| STP | Site Treatment Plan |
| SWEPP | Solid Waste Examination Pilot Plant |
| TAN | Test Area North |
| TEDE | total effective dose equivalent |
| TLV | threshold limit value |
| TPA | TRUPACT payload assemblage |
| TRU | transuranic waste |
| TRUPACT | Transuranic Package Transporter |
| TRUPACT-II | Transuranic Packaging Transporter, Model 2 |
| TSA | Transuranic Storage Area |
| TSA EA | <i>Environmental Assessment: Retrieval and Re-Storage of Transuranic Storage Area Waste at the Idaho National Engineering Laboratory</i> |
| TSA RE | Transuranic Storage Area-Retrieval Enclosure |
| TSCA | <i>Toxic Substances Control Act</i> |
| TWA | time-weighted average |
| USGS | U.S. Geologic Survey |
| VOC | volatile organic compound |

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| VRZ | volcanic rift zone |
| WAC | waste acceptance criteria |
| WCF | Waste Characterization Facility |
| WERF | Waste Experimental Reduction Facility |
| WIPP | Waste Isolation Pilot Plant |
| WIPP SEIS-I or II | See SEIS-I or II |
| WM | waste management |
| WM PEIS | <i>Waste Management Programmatic Environmental Impact Statement</i> |
| WMF | Waste Management Facility |
| WSF | Waste Storage Facility |